



#10

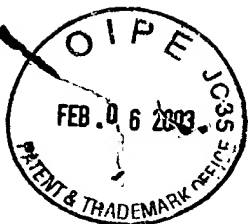
FIG.1

APPROVED	BY	DRAFTSMAN	CLASS	SUBCLASS

ATATTGCTGAGCTCAGGGAGTGAGGGCCCCACATTTGAGACAGTGAGCCCCAAGAAGAGG 60
GATCCCTGCTCCAGCAGCTGCAAGGTGCAAGAAGAAGATCCCAGGGAGGAAAATGTG 120

M C

CTGGAGACCCCTGTGTGCGTTTCTGTGGCTTTGGTCCTATCTGTCTTATGTTCAAGCAGT 180
W R P L C R F L W L W S Y L S Y V Q A V 22
GCCTATCCAGAAAGTCCAGGATGACACCAAAACCTCATCAAGACCATTGTCCACCAGGAT 240
P I Q K V Q D D T K T L I K T I V T R I 42
CAATGACATTTTACACACGCGAGTCGGTATCCGCCAAGCAGAGGGTCACTGGCTTGGACTT 300
N D I S H T Q S V S A K Q R V T G L D F 62
CATTCCTGGGCTTACCCCATTTCTGAGTTTGTCCAAGATGGACCAGACTCTGGCAGTCTA 360
I P G L H P I L S L S K M D Q T L A V Y 82
TCAACAGGTCTTACCAGCCTGCCTTCCCAAATGTGCTGCAGATAGCCAATGACCTGGA 420
Q Q V L T S L P S Q N V L Q I A N D L E 102
GAATCCCGAGACCTCCTCCATCTGCTGGCCTTCTCCAAGAGCTGCTCCCTGCCTCAGAC 480
N L R D L L H L L A F S K S C S L P Q T 122
CAGTGGCTGCAGAAGCCAGAGAGCCTGGATGGCGTCTTGAAGCCTCACTCTACTCCAC 540
S G L Q K P E S L D G V L E A S L Y S T 142
AGAGGTGGTGGCTTTGAGCAGGCTGCAGGGCTCTCTGCAGGACATTCTTCAACAGTTGGA 600
E V V A L S R L Q G S L Q D I L Q Q L D 162
TGTTAGCCCTGAATGCTGAAGTTTCAAAGGCCACCAGGCTCCCAAGAATCATGTAGAGGG 660
V S P E C * 167
AAGAAACCTTGGCTTCCAGGGGTCTTCAGGAGAAGAGAGCCATGTGCACACATCCATCAT 720
TCATTTCTCTCCCTCCTGTAGACCACCCATCCAAAGGCATGACTCCACAATGCTTGACTC 780
AAGTTATCCACACAACCTTCATGAGCACAAGGAGGGGGCCAGCCTGCAGAGGGGACTCTCAC 840
CTAGTTCTTCAGCAAGTAGAGATAAGAGCCATCCCATCCCCCTCCATGTCCACCTGCTCC 900
GGGTACATGTTTCCCTCCGTGGGTACACGCTTCGCTGCGGGCCAGGAGAGGTGAGGTAGGGA 960
TGGGTAGAGCCTTTGGGCTGTCTCAGAGTCTTTGGGAGCACCGTGAAGGCTGCATCCACA 1020
CACAGCTGGAAACTCCCAAGCAGCACACGATGGAAGCACTTATTTATTTATTCTGCATTC 1080
TATTTTGGATGGATCTGAAGCAAGGCATCAGCTTTTTTTCAGGCTTTGGGGGTGAGCCAGGA 1140
TGAGGAAGGCTCCTGGGGTGTGCTTTCAATCCTATTGATGGGTCTGCCCCGAGGCAAACC 1200
TAATTTTTCAGTGACTGGAAGGAAGGTTGGGATCTTCCAAACAAGAGTCTATGCAGGTAG 1260
CGCTCAAGATTGACCTCTGGTGACTGGTTTTGTTTCTATTGTGACTGACTCTATCCAAAC 1320
ACGTTTGCAGCGGCATTGCGGGGAGCATAGGCTAGGTTATTATCAAAAGCAGATGAATTT 1380
TGTCAGTGTAAATATGTATCTATGTGCACCTAGGAGTAGAGGATGTGTTAGAGGGAGGGT 1440
GAAGGATCCGGAAGTGTTCTCTGAATTACATATGTGTGGTAGGCTTTTCTGAAAGGGTGA 1500
GGCATTTTCTTACCTCTGTGGCCACATAGTGTGGCTTTGTGAAAAGGACAAAGGATGTA 1560
CTCTTTCCGGAACATTTGGAGTGTACCAGGCACCCCTTGGAGGGGGCTAAAGCTACAGGCCCT 1620
TTTGTGTCATATTGCTGAGCTCAGGGAGTGAGGGCCCCACATTTGAGACAGTGAGCCCC 1680
AAGAAAAGGGTCCCTGGTGTAGATCTCCAAGGTTGTCCAGGGTTGATCTCACAATGCGTT 1740
TCTTAAGCAGGTAGACGTTTGCATGCCAATATGTGGTTCTCATCTGATTGGTTTCATCCAA 1800
AGTAGAACCTGTCTCCACCCATTCTGTGGGGAGTTTTGTTCCAGTGGAATGAGAAAT 1860
CACTTAGCAGATGGTCCTGAGCCCTGGGCCAGCACTGCTGAGGAAGTGCCAGGGCCCCAG 1920
GCCAGGCTGCCAGAATTGCCCTTCCGGCTGGAGGATGAACAAAGGGGCTTGGGTTTTTCC 1980
ATCACCCCTGCACCCTATGTACCATCAAACCTGGGGGGCAGATCAGTGAGAGGACACTTG 2040
ATGGAAGCAATACACTTTAAGACTGAGCACAGTTTCGTGCTCAGCTCTGTCTGGTGCTG 2100
TGAGCTAGAGAAGCTCACCACATACATATAAAATCAGAGGCTCATGTCCCTGTGGTTAG 2160
ACCCTACTCGCGCGGTGTACTCCACCACAGCAGCACCGCACCGCTGGAAGTACAGTGCT 2220
GTCTTCAACAGGTGTGAAAGAACCTGAGCTGAGGGTGACAGTGCCCAGGGGAACCCCTGCT 2280
TGCAGTCTATTGCATTTACATACCGCATTTAGGGGCACATTAGCATCCACTCCTATGGTA 2340
GCACACTGTTGACAATAGGACAAGGGATAGGGGTTGACTATCCCTTATCCAAAATGCTTG 2400
GGACTAGAAGAGTTTTGGATTTTAGAGTCTTTTCAGGCATAGGTATATTTGAGTATATAT 2460
AAAATGAGATATCTTGGGGATGGGGCCCCAAGTATAAACATGAAGTTCAATTTATATTTTCA 2520
AATACCGTATAGACACTGCTTGAAGTGTAGTTTTTATACAGTGTTTTAAATAACGTTGTAT 2580
GCATGAAAGACGTTTTTACAGCATGAACCTGTCTACTCATGCCAGCACTCAAAAACCTTG 2640
GGGTTTTTGGAGCAGTTTGGATCTTGGGTTTTCTGTAAAGAGATGGTTAGCTTATACCTAA 2700
AACCATAATGGCAAACAGGCTGCAGGACCAGACTGGATCCTCAGCCCTGAAGTGTGCCCT 2760
TCCAGCCAGGTCATACCCTGTGGAGGTGAGCGGGATCAGGTTTTGTGGTGCTAAGAGAGG 2820
AGTTGGAGGTAGATTTTGGAGGATCTGAGGGC 2852



APPROVED	BY	DRAFTSMAN
00	CLASS	SUBCLASS
F.G.		

FIG.2

---G--GTTG CAAGGCCCAA GAAGCCCA-- -TCCTGGGAA GGAAAATGCA	50
TTGGGGAACC CTGTG-CGGA TTCTTGTGGC TTTGGCCCTA TCTTTTCTAT	100
GTCCAAGCTG TGCCCATCCA AAAAGTCCAA GATGACACCA AAACCCTCAT	150
CAAGACAATT GTCACCAGGA TCAATGACAT TTCACACACG CAGTCAGTCT	200
CCTCCAAACA GAAAGTCACC GGTTTGGACT TCATTCTCTGG GCTCCACCCC	250
ATCCTGACCT TATCCAAGAT GGACCAGACA CTGGCAGTCT ACCAACAGAT	300
CCTCACCAGT ATGCCTTCCA GAAACGTGAT CCAAATATCC AACGACCTGG	350
AGAACCTCCG GGATCTTCTT CACGTGCTGG CCTTCTCTAA GAGCTGCCAC	400
TTGCCCTGGG CCAGTGGCCT GGAGACCTTG GACAGCCTGG GGGGTGTCCT	450
GGAAGCTTCA GGCTACTCCA CAGAGGTGGT GGCCCTGAGC AGGCTGCAGG	500
GGTCTCTGCA GGACATGCTG TGGCAGCTGG ACCTCAGCCC TGGGTGCTGA	550
GGCCTTGAAG GTCACTCTTC CTGCAAGGAC T-ACGTTAAG GGAAGGAACT	600
CTGGTTTCCA GGTATCTCCA GGATTGAAGA GCATTGCATG GACACCCCTT	650
ATCCAGGACT CTGTCAATTT CCCTGACTCC TCTAAGCCAC TCTTCCAAAG	700
G	701



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

1 MET HIS TRP GLY THR LEU CYS GLY PHE LEU TRP LEU TRP PRO TYR
16 LEU PHE TYR VAL GLN ALA VAL PRO ILE GLN LYS VAL GLN ASP ASP
31 THR LYS THR LEU ILE LYS THR ILE VAL THR ARG ILE ASN ASP ILE
46 SER HIS THR GLN SER VAL SER SER LYS GLN LYS VAL THR GLY LEU
61 ASP PHE ILE PRO GLY LEU HIS PRO ILE LEU THR LEU SER LYS MET
76 ASP GLN THR LEU ALA VAL TYR GLN GLN ILE LEU THR SER MET PRO
91 SER ARG ASN VAL ILE GLN ILE SER ASN ASP LEU GLU ASN LEU ARG
106 ASP LEU LEU HIS VAL LEU ALA PHE SER LYS SER CYS HIS LEU PRO
121 TRP ALA SER GLY LEU GLU THR LEU ASP SER LEU GLY GLY VAL LEU
136 GLU ALA SER GLY TYR SER THR GLU VAL VAL ALA LEU SER ARG LEU
151 GLN GLY SER LEU GLN ASP MET LEU TRP GLN LEU ASP LEU SER PRO
166 GLY CYS END

FIG.3



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

MOUSE	MCWRPLCRFL WLWSYLSYVQ AVPIQKVODD TKTLIKTIVT RINDISHTQS	50
	* * * *	
HUMAN	MHWGTLGGFL WLWPYLFYVQ AVPIQKVODD TKTLIKTIVT RINDISHTQS	
MOUSE	WSAKQRTVGL DFIPGLHPIL SLSKMDQTLA VYQQVLTSLP SQNVLOIAND	100
	* - - *	
HUMAN	VSSKQKVTGL DFIPGLHPIL TLSKMDQTLA VYQQILTSMPS SRNVQISND	
MOUSE	LENLRDLLHL LAFSKSCSLP QTSGLQKPES LDGVLEASLY STEVVALSRL	150
	- * ** *** - *	
HUMAN	LENLRDLLHV LAFSKSCHLP WASGLETLDS LGGVLEASGY STEVVALSRL	
MOUSE	QGSLODILQQ LDVSPEC	167
	- * - *	
HUMAN	QGSLODMLWQ LDLSPGC	

FIG.4

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		



1 MET CYS TRP ARG PRO LEU CYS ARG PHE LEU TRP LEU TRP SER TYR
 16 LEU SER TYR VAL GLN ALA VAL PRO ILE GLN LYS VAL GLN ASP ASP
 31 THR LYS THR LEU ILE LYS THR ILE VAL THR ARG ILE ASN ASP ILE
 46 SER HIS THR SER VAL SER ALA LYS GLN ARG VAL THR GLY LEU ASP
 61 PHE ILE PRO GLY LEU HIS PRO ILE LEU SER LEU SER LYS MET ASP
 76 GLN THR LEU ALA VAL TYR GLN GLN VAL LEU THR SER LEU PRO SER
 91 GLN ASN VAL LEU GLN ILE ALA ASN ASP LEU GLU ASN LEU ARG ASP
 106 LEU LEU HIS LEU LEU ALA PHE SER LYS SER CYS SER LEU PRO GLN
 121 THR SER GLY LEU GLN LYS PRO GLU SER LEU ASP GLY VAL LEU GLU
 136 ALA SER LEU TYR SER THR GLU VAL VAL ALA LEU SER ARG LEU GLN
 151 GLY SER LEU GLN ASP ILE LEU GLN GLN LEU ASP VAL SER PRO GLU
 166 CYS END

FIG.5

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		



1 MET HIS TRP GLY THR LEU CYS GLY PHE LEU TRP LEU TRP PRO TYR
 16 LEU PHE TYR VAL GLN ALA VAL PRO ILE GLN LYS VAL GLN ASP ASP
 31 THR LYS THR LEU ILE LYS THR ILE VAL THR ARG ILE ASN ASP ILE
 46 SER HIS THR SER VAL SER SER LYS GLN LYS VAL THR GLY LEU ASP
 61 PHE ILE PRO GLY LEU HIS PRO ILE LEU THR LEU SER LYS MET ASP
 76 GLN THR LEU ALA VAL TYR GLN GLN ILE LEU THR SER MET PRO SER
 91 ARG ASN VAL ILE GLN ILE SER ASN ASP LEU GLU ASN LEU ARG ASP
 106 LEU LEU HIS VAL LEU ALA PHE SER LYS SER CYS HIS LEU PRO TRP
 121 ALA SER GLY LEU GLU THR LEU ASP SER LEU GLY GLY VAL LEU GLU
 136 ALA SER GLY TYR SER THR GLU VAL VAL ALA LEU SER ARG LEU GLN
 151 GLY SER LEU GLN ASP MET LEU TRP GLN LEU ASP LEU SER PRO GLY
 166 CYS END

FIG.6

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

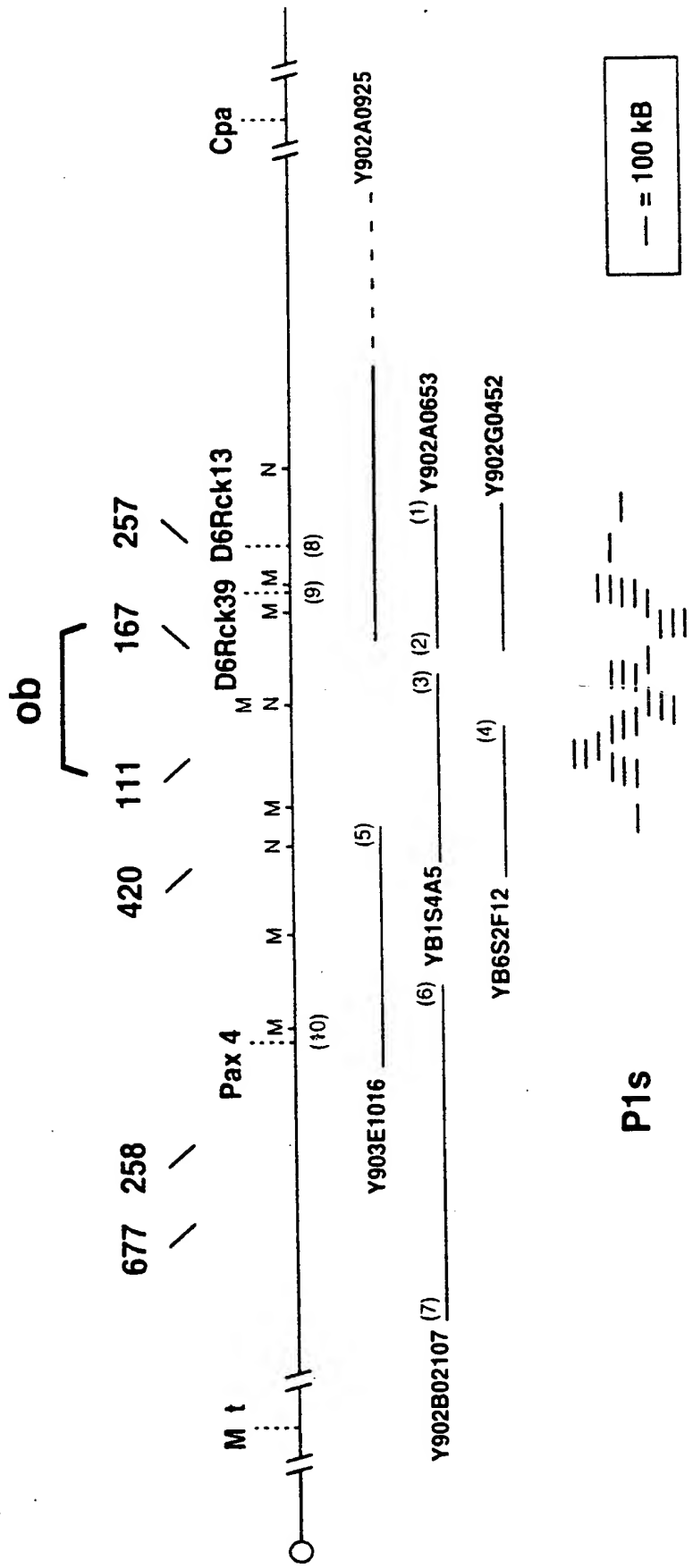


FIG.7



APPROVED BY DRAFTSMAN	O.G. FIG.	
	CLASS	SUBCLASS

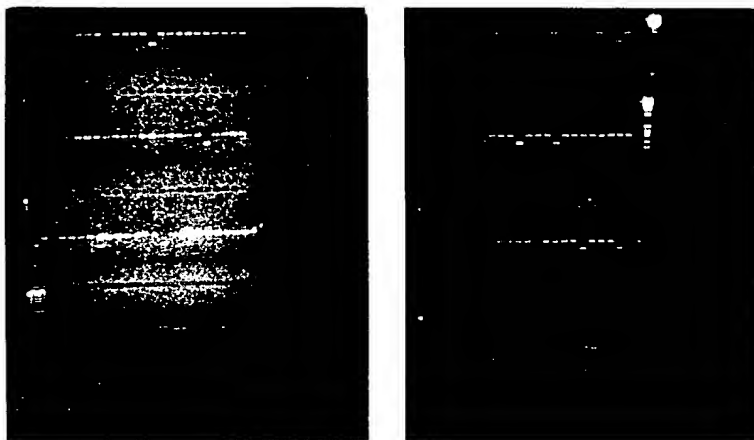


FIG.8



APPROVED BY DRAFTSMAN	O.G. FIG.	
	CLASS	SUBCLASS

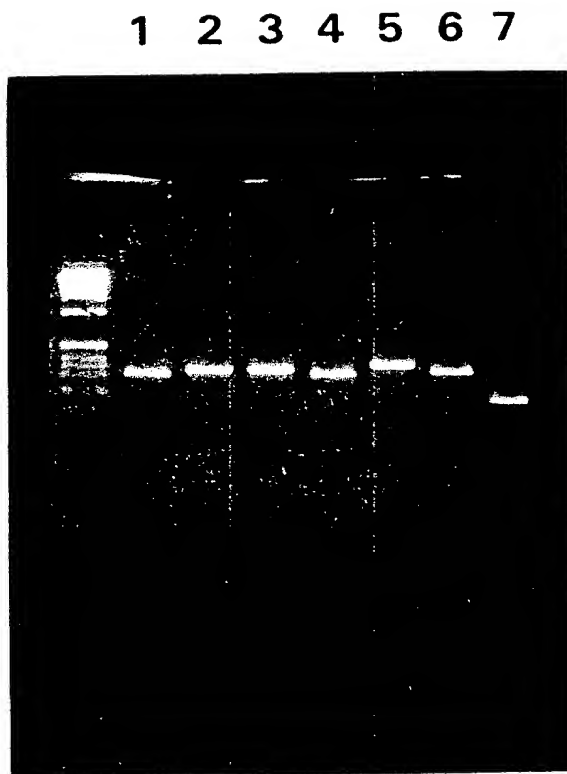


FIG.9



APPROVED	BY	CLASS	SUBCLASS
	DRAFTSMAN		

+10	+20	+30	+40
GTGCAAGAAG	AAGAAGATCC	CAGGGCAGGA	AAATGTGCTG
-----	-----	-----	-----
CACGTTCTTC	TTCTTCTAGG	GTCCCGTCCT	TTTACACGAC
-----	-----	-----	-----
+10	+20	+30	+40
TGTCGGGTCC	NGTGGNTTTG	GTCCTATCTG	TCCTATGTNC
-----	-----	-----	-----
ACAGCCCAGG	NCACCNAAAC	CAGGATAGAC	AGAATACANG
-----	-----	-----	-----
+10	+20	+30	+40
TATCCAGAAA	GTCCAGGATG	ACACCAAAG	CCTCATCAAG
-----	-----	-----	-----
ATAGGTCITT	CAGGTCCTAC	TGTGGTTTTC	GGAGTAGTTC
-----	-----	-----	-----
+10	+20	+30	+40
NCAGGATCAC	TGANATTTCA	CACACG	
-----	-----	-----	-----
NGTCCTAGTG	ACTNTAAAGT	GTGTGC	

FIG.10



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

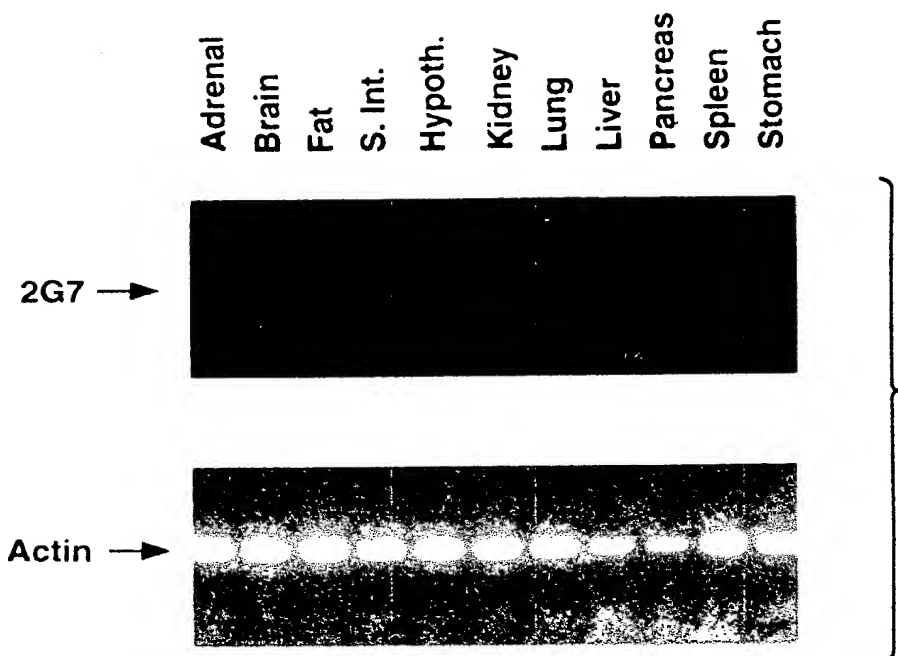


FIG.11A



APPROVED	OG 503		
BY	CLASS	SUBCLASS	
DRAFTSMAN			

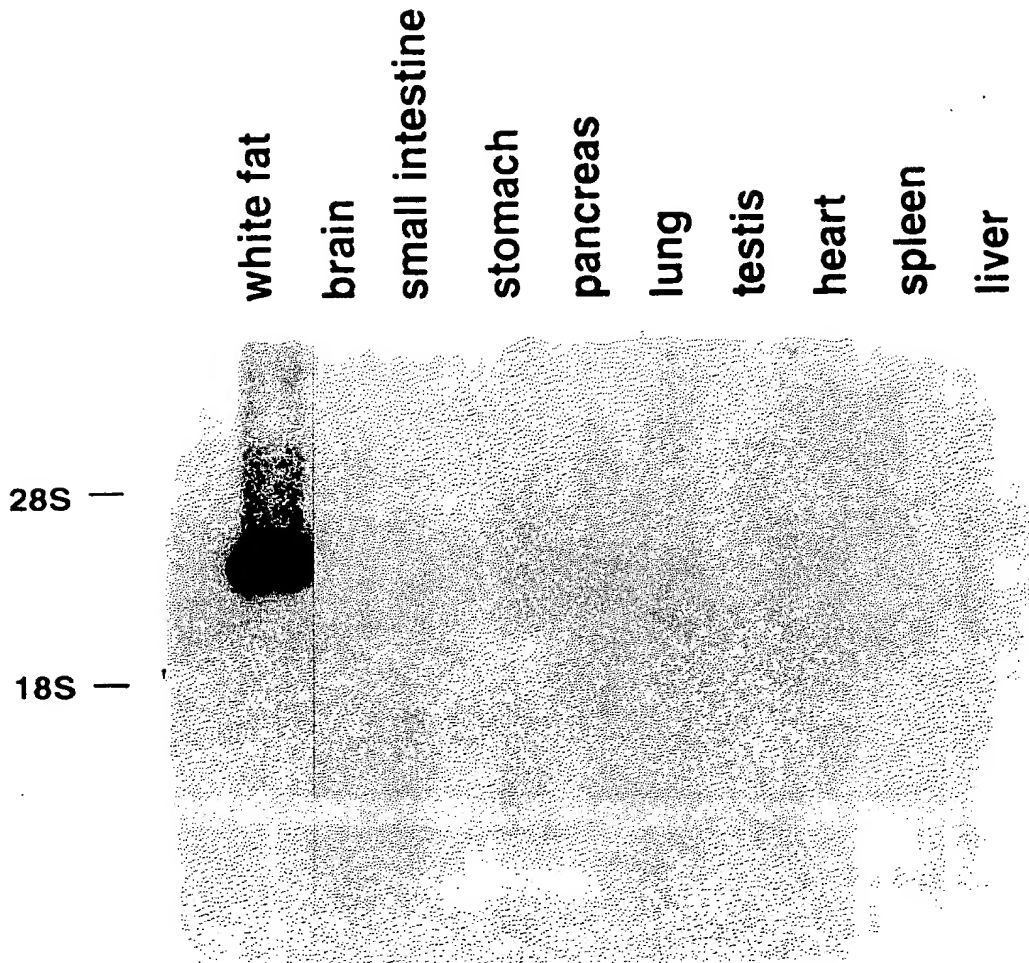


FIG.11B



APPROVED	O.G. FIG.	SUE CLASS
BY	CLASS	
DRAFTSMAN		

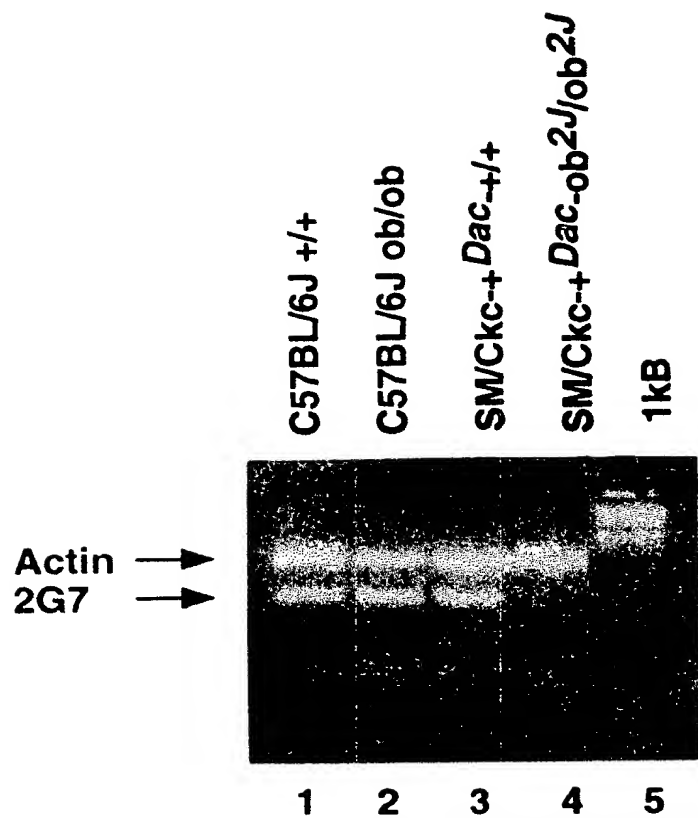


FIG.12A



APPROVED	O.G. FIG.		SUBCLASS
BY	CLASS		
DRAFTSMAN			

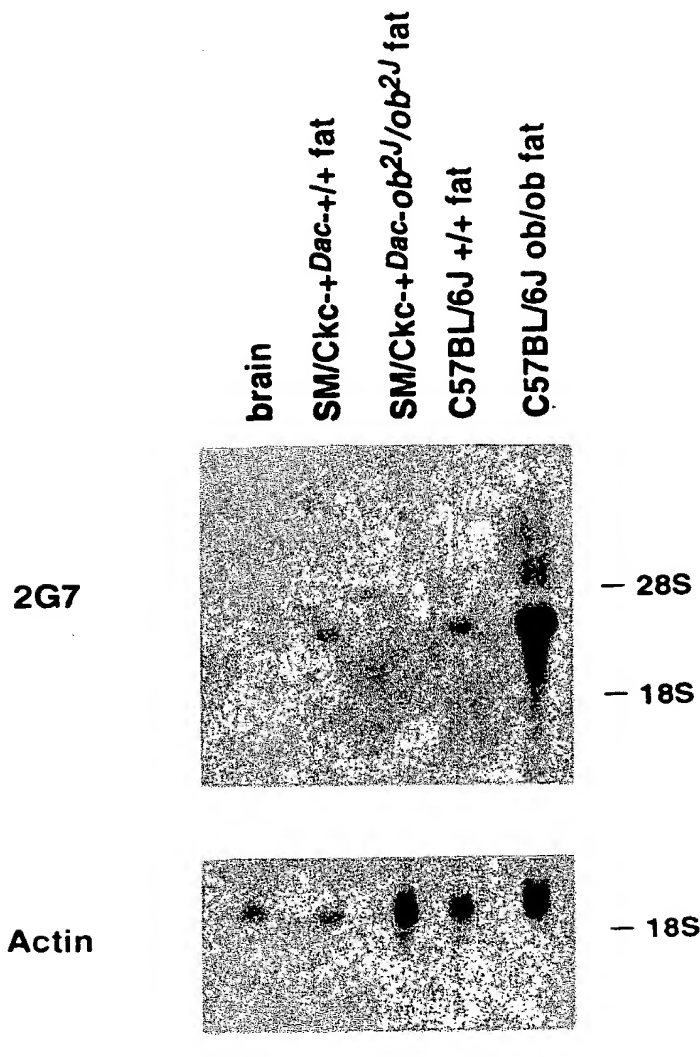
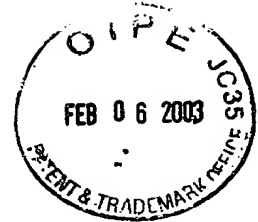
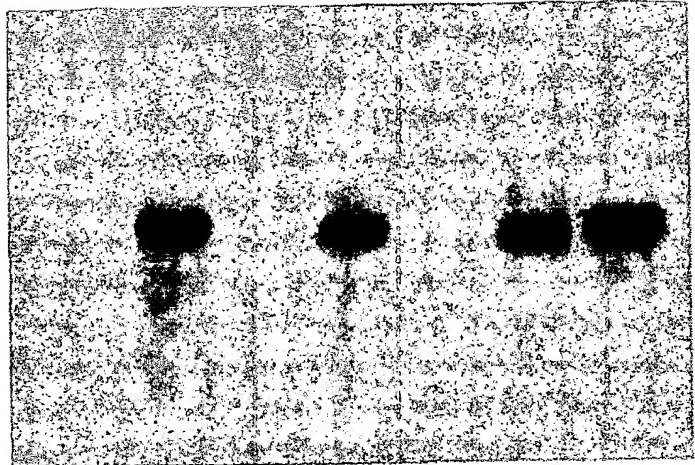


FIG.12B

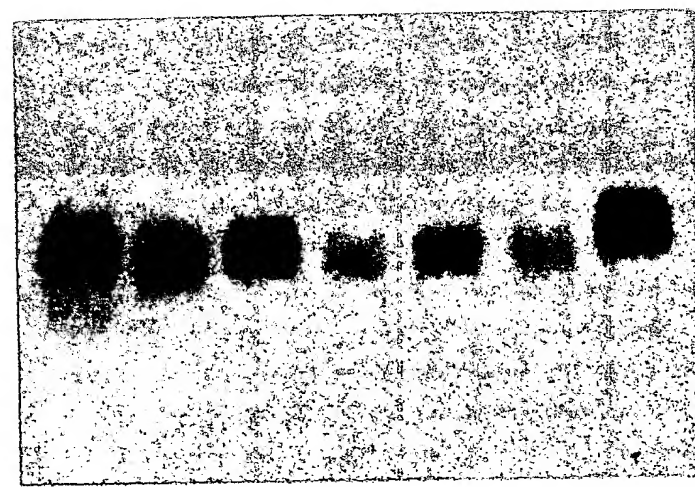


APPROVED BY DRAFTSMAN	O.G. FIG.	
	CLASS	SUBCLASS

2G7



ap2



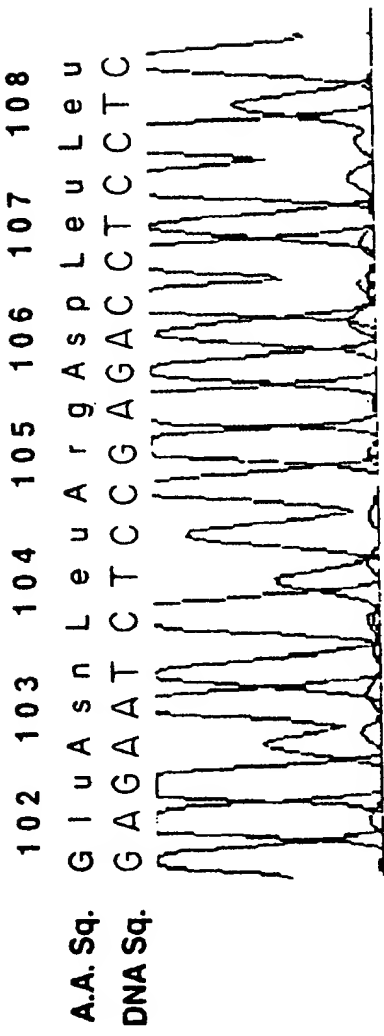
SM/Ckc-+ *Dac-ob^{2J}/ob^{2J}*
SM/Ckc-+ *Dac-+/?*
SM/Ckc-+ *Dac-ob^{2J}/ob^{2J}*
SM/Ckc-+ *Dac-+/?*
SM/Ckc-+ *Dac-ob^{2J}/ob^{2J}*
SM/Ckc-+ *Dac-+/?*
SM/Ckc-+ *Dac-+/?*

FIG.13



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

C57BL/6J



C57BL/6J ob/ob

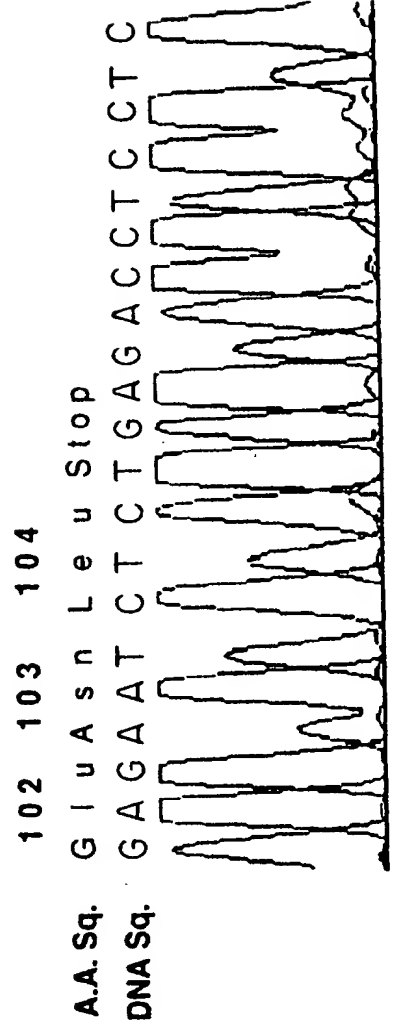


FIG.14



APPROVED	O.C. FIG.	SUBCLASS
BY	CLASS	
DRAFTSMAN		

Dpn II				Rsa I				Bgl II				Alu I			
SM/Ckc-+	<i>Dac-ob^{2J}/ob^{2J}</i>			SM/Ckc-+	<i>Dac-ob^{2J}/ob^{2J}</i>			SM/Ckc-+	<i>Dac-ob^{2J}/ob^{2J}</i>			SM/Ckc-+	<i>Dac-ob^{2J}/ob^{2J}</i>		
SM/Ckc-+	<i>Dac-+/+</i>			SM/Ckc-+	<i>Dac-+/+</i>			SM/Ckc-+	<i>Dac-+/+</i>			SM/Ckc-+	<i>Dac-+/+</i>		
C57BL/6J	ob/ob			C57BL/6J	ob/ob			C57BL/6J	ob/ob			C57BL/6J	ob/ob		
C57BL/6J	+/+			C57BL/6J	+/+			C57BL/6J	+/+			C57BL/6J	+/+		

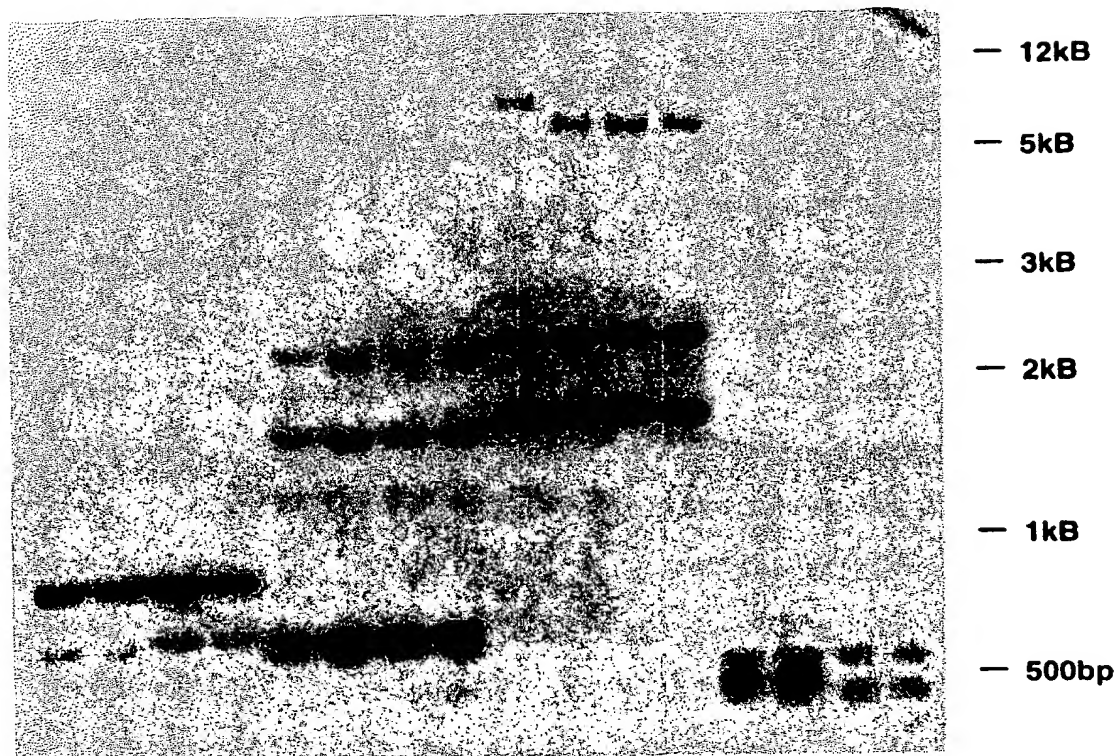
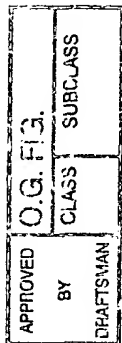


FIG.15A





APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

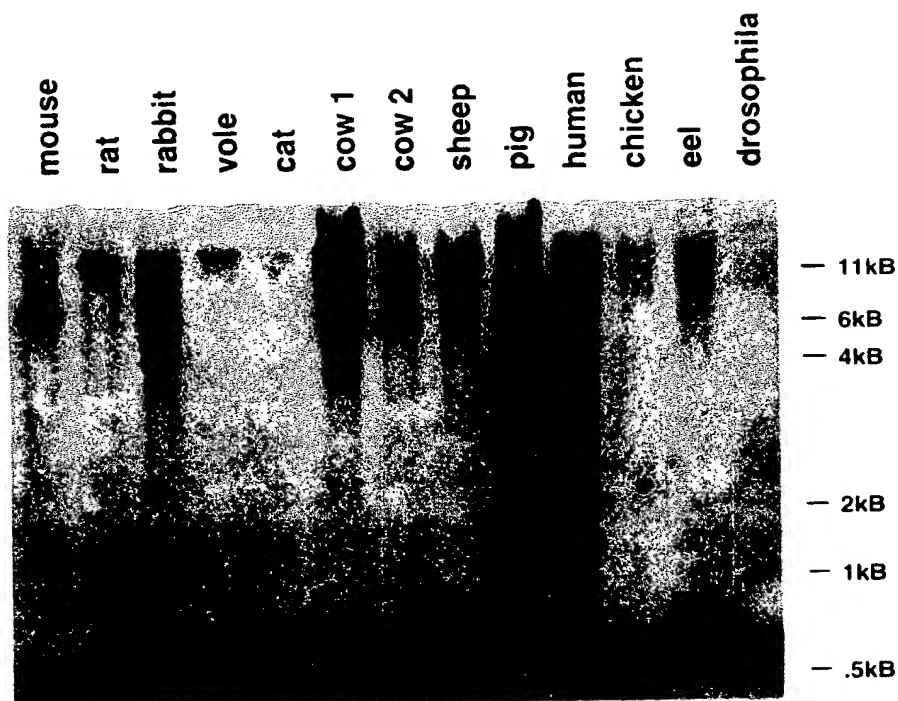


FIG.16

APPROVED	O.C. F.3.	
BY	CLASS	SUBCLASS
DRAFTSMAN		



T7 PROMOTER PRIMER 69348-1

----->

T7 PROMOTER

----->

BGLII AGATCTCGATCCGCGGAATTAACGACTCACTATAGGGAATTGTGAGCGGATAACAATTC XBAI
CCCTCTACA

RBS ATAAATTTGTTAACTTAAAGAGGAGATATACCATGGGCAGCAGCCATCATCATCATCAGCAGCGGC HIS-TAG
CCCTCTACA NCOI METGLYSERHISHISHISHISERSERGLY

NDEI XHOI BAMHI

CTGGTGCCGCGGAGCCATATGCTCGAGGATCCGCTGCTAACAAAGCCGAAGGAGTGAGTTGGCT
LEUVALPROARGGLYSERHISMETLEUGLUASPPROALAAASNLYSALAARGLYSGLUALAGLULEUALA
 THROMBIN

BpuI1021 GCTGCCACCGCTGAGCAATAACTAGCATAACCCCTTGGGGCCTCTAACCGGCTCTGAGGGGTTTTTG T7 TERMINATOR
ALAAATHRALAGLUGLNEND

<-----

T7 TERMINATOR PRIMER #69337-1

FIG.17



APPROVED	O.G. FIG.	CLASS	SUBCLASS
BY			
DRAFTSMAN			

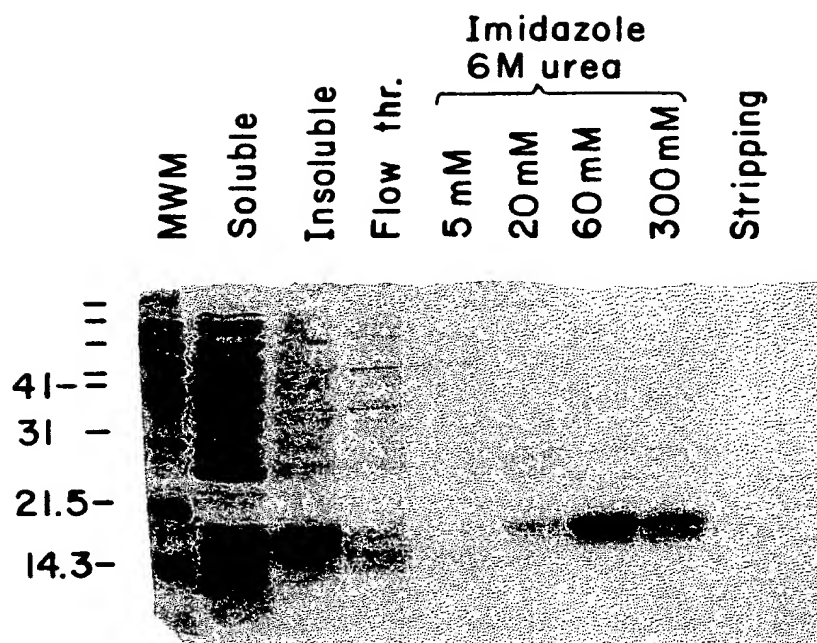


FIG.18A

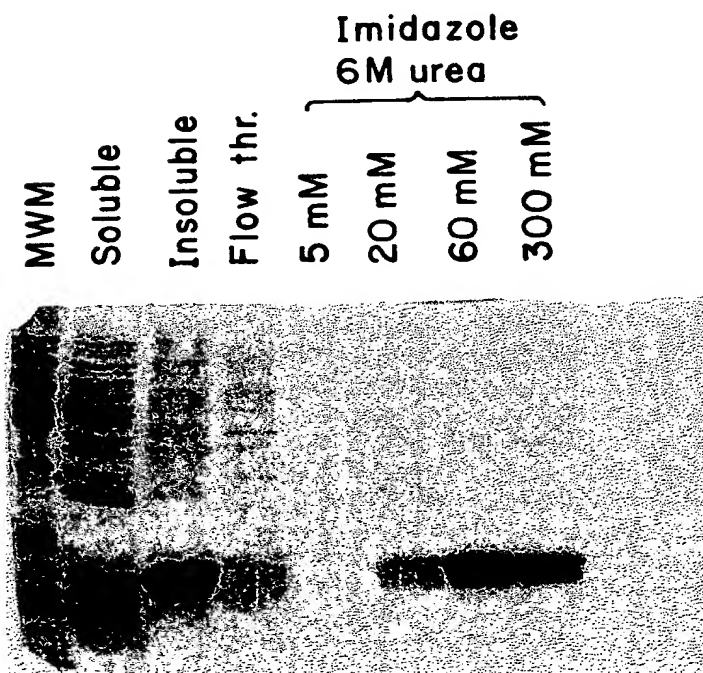


FIG.18B



APPROVED	BY	CLASS	SUBCLASS
DRAFTSMAN			

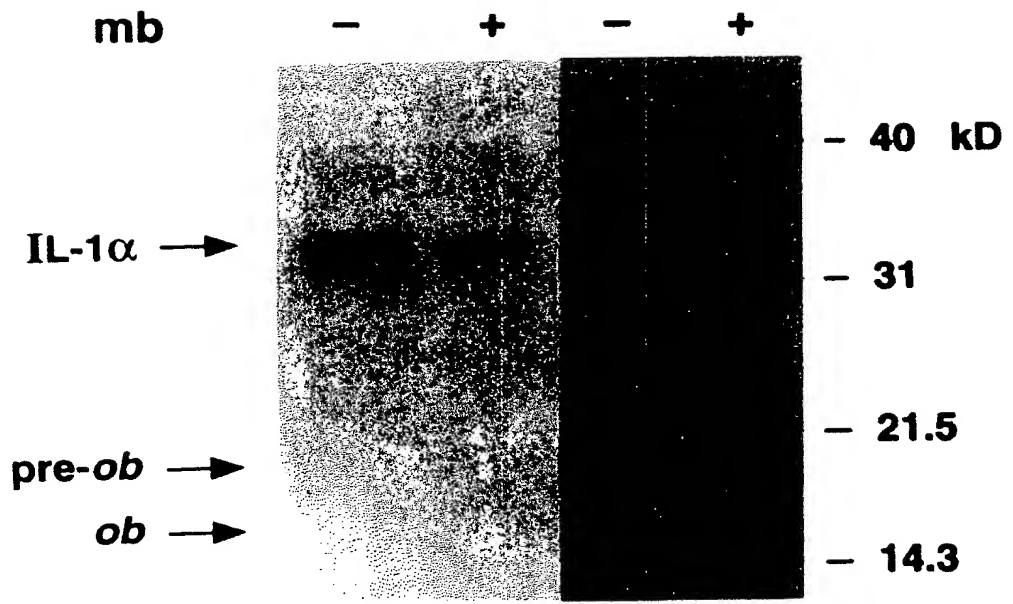


FIG.19A



APPROVED	10.0.113	SUBCLASS
BY	CLASS	
DRAFTSMAN		

Triton X-100	-	-	-	-	+
Proteinase K	-	-	+	+	+
Microsome	-	+	-	+	+

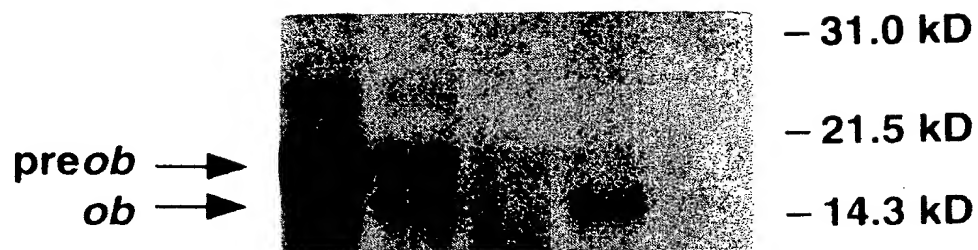


FIG.19B



APPROVED	O.G. P.G.
BY	CLASS
DRAFTSMAN	SUBCLASS

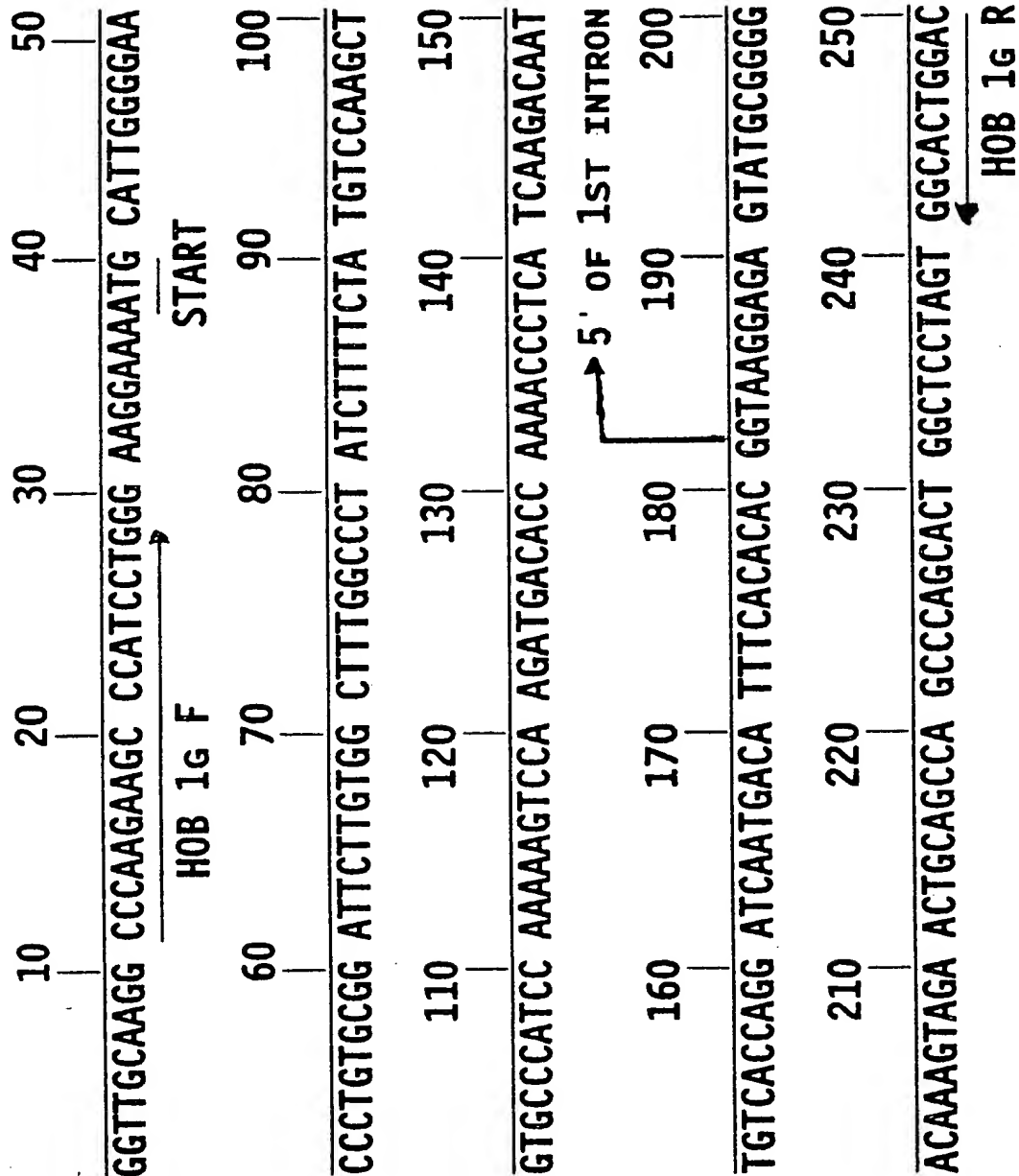


FIG.20A



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

260	270	280	290	300
<u>CCAGATAGTC CAAGAAACAT TTATTGAACG CCTCCTGAAT GCCAGGCACC</u>				
310	320	330	340	350
<u>TACTGGAAGC TGAGAAGGAT TTTGGATAGC ACAGGGCTCC ACTCTTCTG</u>				
360	370	380	390	400
<u>GTTGTTTCTT NTGGCCCCCT CTGCCCTGCTG AGATNCCAGG GGTTAGNGGT</u>				
410	420	430	440	450
<u>TCTTAATTCC TAAA-----CT</u>				
GAP OF SEQUENCE (~1.4 KB)				
460	470	480	490	500
<u>GGTTCITTCA GGAAGAGGCC ATGTAAGAGA AAGGAATTGA CCTAGGGAAA</u>				

FIG.20A-1



APPROVED	0.3 H.B.
BY	CLASS
DRAFTSMAN	SUBCLASS

510	520	530	540	550
<u>ATTGGCCTGG GAAGTGGAGG GAACGGATGG TGTGGGAAA GCAGGAATCT</u>				
560	570	580	590	600
<u>CGGAGACCAG CTTAGAGGCT TGGCAGTCAC CTGGGTGCAG GANACAAGGG</u>				
610	620	630	640	650
<u>CCTGAGCCAA AGTGGTGAGG GAGGGTGGAA GGAGACAGCC CAGAGAATGA</u>				
660	670	680	690	700
<u>CCCTCCATGC CCACGGGGAA GGCAGAGGGC TCTGAGAGCG ATTCTCTCCA</u>				
3' OF 1ST INTRON 4'				
710	720	730	740	750
<u>CATGCTGAGC ACTIGTTCTC CCTCTTCTC CTNCATAGCA GTCAGTCTCC</u>				
HOB 2G F				

FIG.20A-2

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		



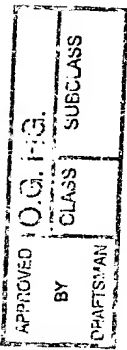
760	770	780	790	800
<u>TCCAACAGA AAGTACCGG TTGGACTTC ATCCTGGG TCCACCCCAT</u>				
810	820	830	840	850
<u>CCTGACCTTA TCCAAGATGG ACCAGACACT GGCAGTCTAC CAACAGATCC</u>				
860	870	880	890	900
<u>TCACCAGTAT GCCTTCCAGA AACGTGATCC AAATATCCAA CGACCTGGAG</u>				
910	920	930	940	950
<u>AACCTCCGG ATCTTCTTCA CGTGTGGCC TTCTTAAGA GCTGCCACTT</u>				
960	970	980	990	1000
<u>GCCCTGGGC AGTGGCCTGG AGACCTTGA CAGCCTGGG GGTGTCCTGG</u>				

FIG.20A-3

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

1010	1020	1030	1040	1050
<u>AAGCTTCAGG CTACTCCACA GAGGTGGTGG CCTGAGCAG GCTGCAGGGG</u>				
1060	1070	1080	1090	1100
<u>TCTCTGCAGG ACATGCTGTG GCAGCTGGAC CTCAGCCCTG GGTGCTGAGG</u>				
STOP				
1110	1120	1130	1140	1150
<u>CCTTGAAGT CACTCTTCCT GCAAGGACTA CGTTAAGGA AGGAACTCTG</u>				
1160	1170	1180	1190	1200
<u>GCTTTCAGG TATCTCCAGG ATTGAAGAGC ATTGCATGGA CACCCCTTAT</u>				
HOB 2G R				
1210	1220	1230	1240	1249
<u>CCAGGACTCT GTCAATTTC CTGACTCCTC TAAGCCACTC TTCCAAGG</u>				

FIG.20A-4



!st ex 1st intr 2nd ex 2nd intr 3rd exon

_____//_____**ATG**_____//_____TGA_____

start stop

HUMAN OB STRUCTURE

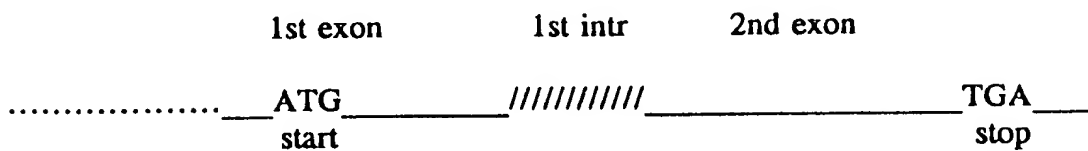
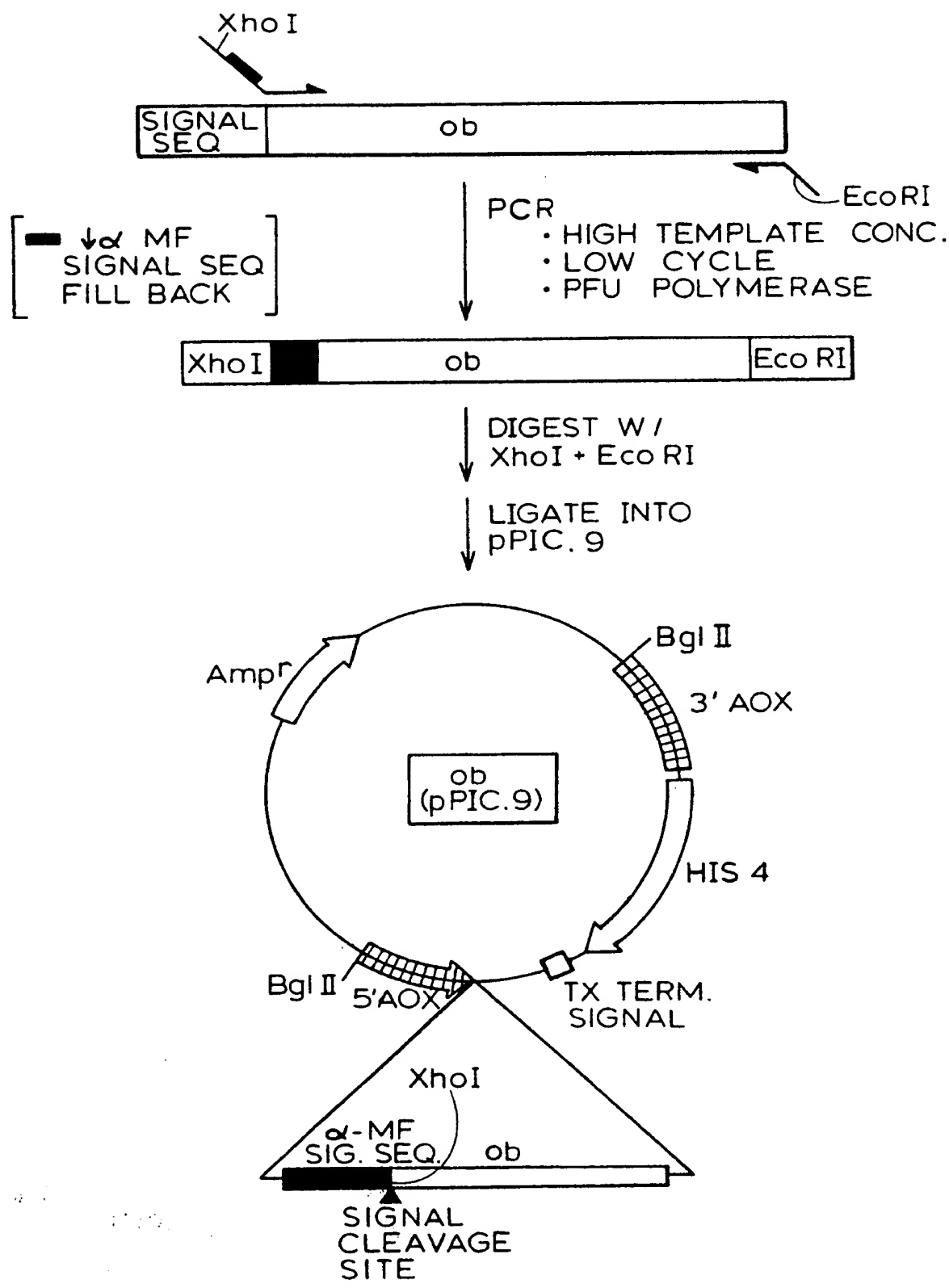


FIG. 20C

APPROVED BY DRAFTSMAN
CLASS
SUBCLASS

FIG.21A





APPROVED	O.G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS

FIG.21B

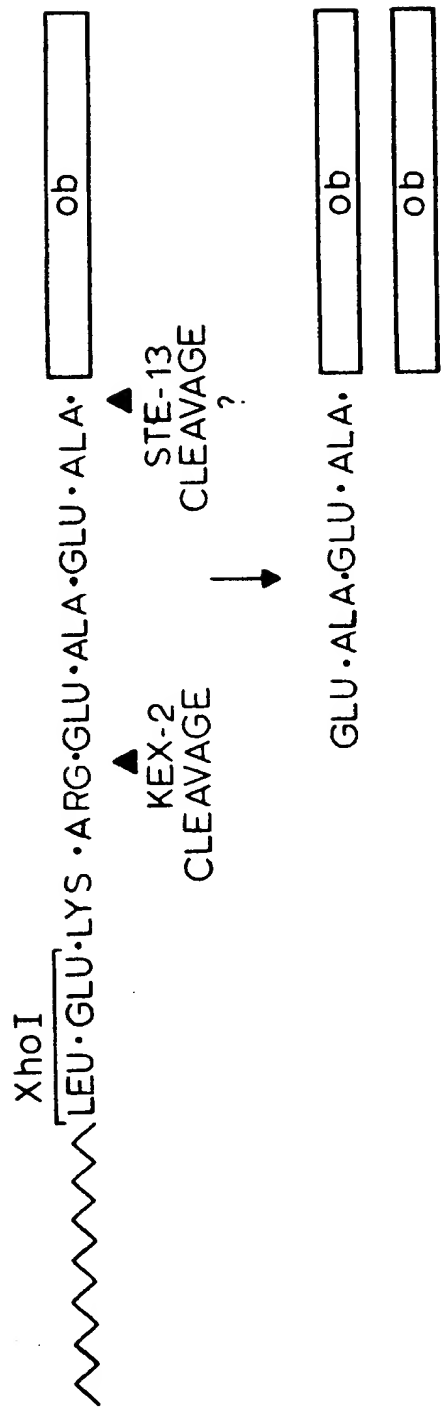
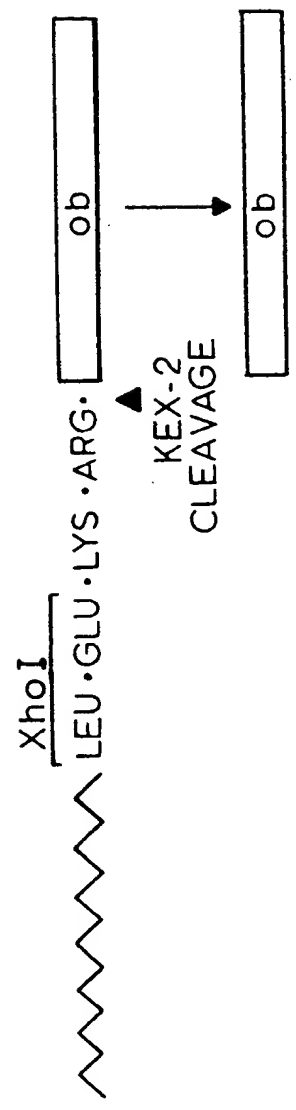
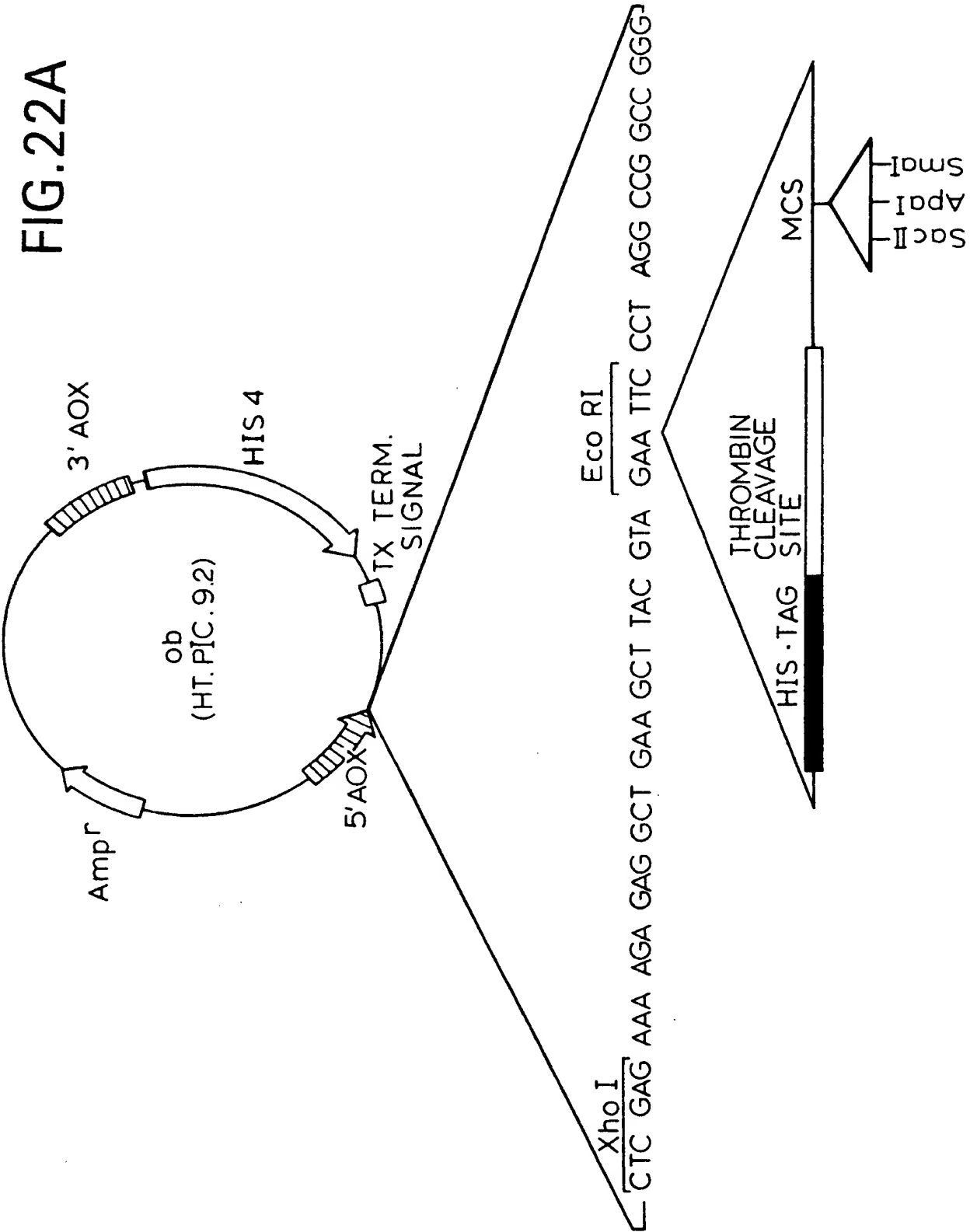


FIG.21C



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
INVENTOR'S SIGNATURE		



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

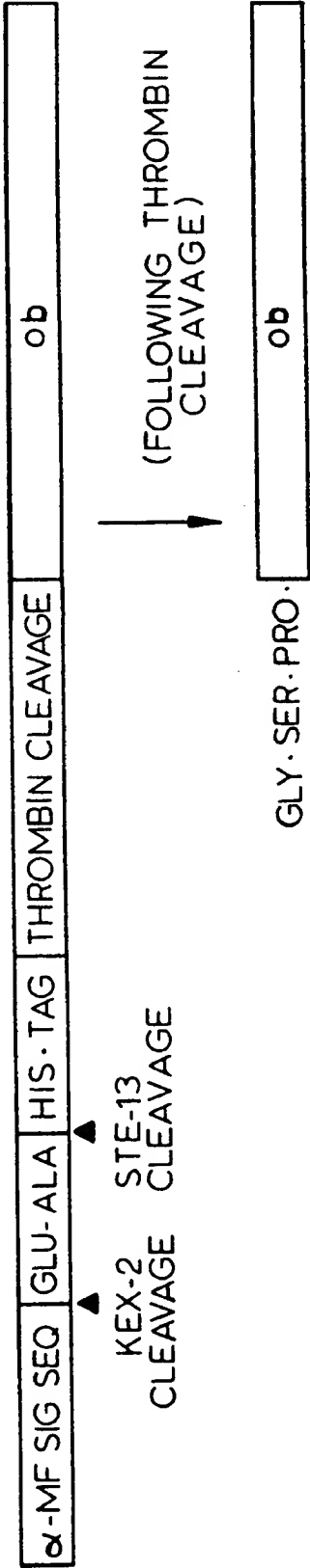


FIG.22B



APPROVED BY CHAFTSMAN	O.G. FIG.	
	CLASS	SUBCLASS

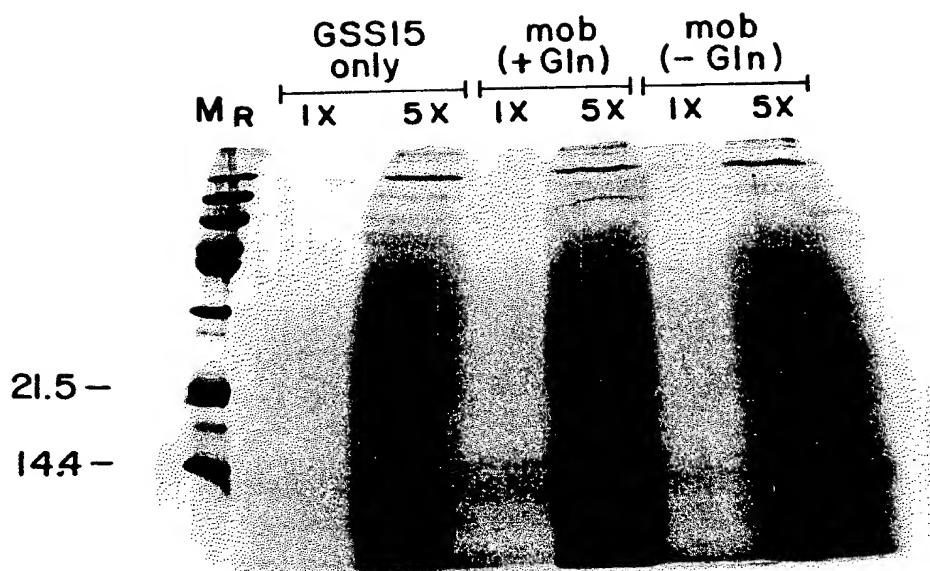


FIG.23A



APPROVED	O.C. FIG.	CLASS	SUBCLASS
BY			
DRAFTSMAN			

1 2 3 4 5

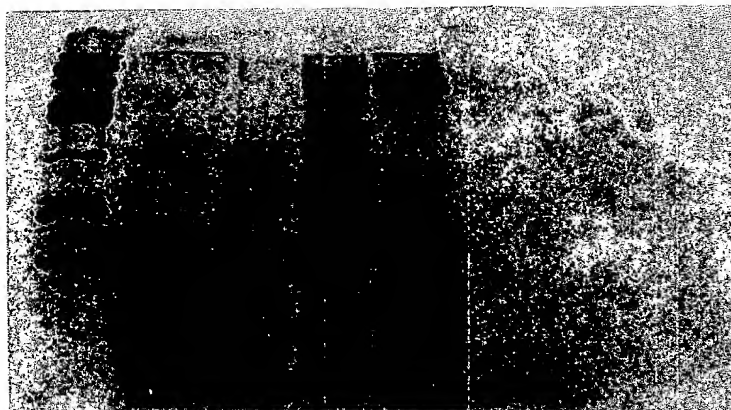


FIG.23B